

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 11-13-77	
Company Aztec Oil & Gas Company		Connection Southern Union Gathering	
Pool Basin		Formation Dakota	
Completion Date 10-24-77	Total Depth 7550'	Plug Back TD 7516'	Elevation 6306' GR
Farm or Lease Name Patterson "B" Com		Well No. #1	
Csg. Size 4.500	Wt. 10.50#	d 4.052	Set At 7548'
Perforations: From 7324' To 7459'			
Tub. Size 2.375	Wt. 4.7#	d 1.995	Set At 7490'
Perforations: From 7332' To 7463'			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Procter Set At ---	County San Juan
Producing Thru Tbg	Reservoir Temp. °F @	Mean Annual Temp. °F @	Baro. Press. - P _c 12.2
State New Mexico			
L	H	G _g .700	% CO ₂
		% N ₂	% H ₂ S
		Prover	Meter Run
		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	2"	X	3/4"				913		1290		
2.							71		362		1 hr
3.							50		301		2 hrs
4.							30		292		3 hrs
5.											

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super. Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.365		42.2	1.0000	.9258	1.0000	483
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/Lb.	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	Specific Gravity Separator Gas _____ XXXXXXXXXX	Specific Gravity Flowing Fluid _____ XXXXXX	Critical Pressure _____ P.S.I.A.	Critical Temperature _____ R
1.										
2.										
3.										
4.										
5.										

P _c 1302.2	P _c ² 1,695,725	
NO.	P _t ²	P _w
1	304.2	92,538
2		
3		
4		
5		

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0577$	$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0430$
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 504$	

Absolute Open Flow	504	Mcf @ 15.025	Analysis of Slope #	Slope, n	.75
--------------------	-----	--------------	---------------------	----------	-----

Remarks:	
----------	--

Approved By Commission:	Conducted By: Charles Saiz	Originated By: James Smith	Checked By:
-------------------------	-------------------------------	-------------------------------	-------------